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**TWO-HYBRID ASSAY THAT DETECTS  
HIV-1 REVERSE TRANSCRIPTASE DIMERIZATION**

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**Abstract of the Disclosure**

This invention provides methods of determining whether a compound inhibits HIV-1 reverse transcriptase. This invention 10 provides methods of determining whether a compound inhibits formation of a complex between a p66 and p51 subunit polypeptides of HIV-1 reverse transcriptase. This invention provides a method of determining whether a compound enhances formation of a complex between a p66 and p51 subunit 15 polypeptides of HIV-1 reverse transcriptase. This invention provides methods of determining whether a compound inhibits formation of a complex between two p66 subunit polypeptides of HIV-1 reverse transcriptase. This invention provides methods of determining whether a compound enhances formation 20 of a complex between two p66 subunit polypeptides of HIV-1 reverse transcriptase.

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